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COMPLETES TURBINE EARLY -- Moscow, Izvestiya, 25 Apr 52

The fourth machine shop of the Leningrad Nevskiy Plant imeni Lenin has completed a turbine ahead of plan. The shop has pledged to complete another above-plan turbine by May Day.

ASSEMBLES 500-KW MODEL -- Yerevan, Kommunist, 4 Apr 52

The Yerevan Small Hydroturbines Plant is now assembling a 500-kilowatt hydroturbine on which work was begun in January 1952.

NEW DESIGN SAVES METAL -- Ashkhabad, Turkmeneskaya Iskra, 30 Apr 52

A change in the technology of manufacturing steam turbines at the Khar'kov Turbogenerator Plant imeni Kirov is saving over 10 tons of metal for each turbine. The cylinder, formerly built up of eight cast parts, is now made of only two parts. Fewer parts are now going into the reduction-gear housing.

ESTABLISH UNIT ASSEMBLY METHOD -- Vil'nyus, Sovetskaya Litva, 6 Apr 52

Turbine builders in the Kaunas Pergalyo Plant have established the unit assembly method there. Under this method, a whole series of machines is assembled simultaneously. This has raised labor productivity and tripled the output of turbines in comparison with 1951 figures.

NEW STEAM ENGINE BURNS LESS FUEL THAN LOCOMOBILE -- Moscow, Moskovskaya Pravda, 23 Apr 52

The Kolkhoz imeni Voroshilov, Bronitskiy Rayon, recently acquired a new LPU-1 steam power plant, developed by a group from the All-Union Institute for Mechanization of Agriculture. The engine was designed by A. Demin, director of the institute's laboratory of steam power units.

The LPU-1 weighs half as much as a locomobile, and burns half as much fuel. Instead of expelling exhaust steam into the air, as does a locomobile, it completely utilizes it for the needs of a livestock farm. It burns peat, automatically fed into the firebox from bunkers at the rate of 700 kilograms a day. The aggregate is compact, measuring 2.7 meters long with the generator, 1.2 meters wide, and 2 meters high without stacks.

ARTEL MAKES MANY ITEMS -- Moscow, Vechernyaya Moskva, 17 May 52

The Moscow Kotlotopstroy Artel makes over 100 different items, from shovels to heavy locomobiles. Its Cornwall boilers are serving the municipal needs of the builders of the Main Turkmen Canal, its gas containers are found in Moscow dwellings, and others of its products have gone into the Moscow State University building.

SPECIAL UNIT CLEANS FEED WATER -- Kiev, Pravda Ukrainy, 10 Apr 52

Boiler scale can have a highly deleterious effect on power plants, on the functions of boilers in general, and on the industrial establishments which they serve. The Dunayevtsy Cloth Factory, and the Kiev Thermos and Glass Plant, for

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example, suffer from reduced steam output and excessive fuel consumption. The ~~consequently~~ ~~fact~~ ~~and~~ ~~the~~ ~~fact~~ ~~that~~ ~~the~~ ~~boiler~~ ~~has~~ ~~no~~ ~~water~~ ~~purifier~~, has to replace its boiler tubing every 2-3 years.

Now many industrial enterprises apply a new, so-called "thermal softening" method of cleaning feed water, evolved by Stalin Prize winners Golubtsov and Burlov. This method is giving excellent results wherever it is applied.

Boilers are now produced equipped with thermal softening units. It is up to all power engineers to install these units in all old boilers where the problem of boiler scale is present. The thermal softeners can be made at almost any enterprise. — V. Alabuzhev, Director, Kiev Inter-Oblast Boiler Inspection Office, Ministry of Electric Power Stations USSR

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